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At the beginning of the 1930s, Mints suggested applying the principles of electric power stations to radio engineering. It was then decided to make use of parallel operation of several hf oscillators connected to a common intermediate circuit from which the station antenna is supplied. This principle was first put in practice in the world's most powerful station, the 500-kw Radio Station imeni Komintern, constructed according to Mints's plans in 1931-32.

In 1932, Mints developed an original system for increasing the efficiency of radio transmitters by making use of distortion in the plate and grid voltages of tubes in the output stage of the transmitter.

In 1936-38, the 120-kw short-wave station "RV-96" was constructed under the supervision of Mints and I.Kh. Nevyazhskiy. For this station, Mints developed a new type of antenna which facilitated directional transmission on a wide frequency band. This invention gave the USSR priority in the field of rigid antennas with low characteristic impedance.

During World War II, Mints continued his activity and supervised construction of a new radio station -- the most powerful in the world.

In 1946, he was awarded the Stalin Prize and elected Corresponding Member of the Academy of Sciences USSR.

From the first, he has taken an active part in radio amateur activity. He is a well-known teacher and has trained many talented radio specialists.

The remarkable work of A. L. Mints has made him a worthy successor to the great Popov and has enriched his country's scientific achievements.

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-2-

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